

Dr. SRINIVASA NARESH VANKAMAMIDI

M.Tech, M.Phil, CSIR (NET +JRF) , UGC-NET, Ph.D.

ASSOCIATE PROFESSOR,

Department of Computer science and Engineering ,
Sri Vasavi Engineering College, Tadepalligudem.

E-Mail: - vsnaresh111@gmail.com



Career Objective:

Seeking a supportive and co-operative environment with opportunities to enrich my knowledge and skills in the emerging and challenging technologies while contributing my best.

Educational Qualifications:

- Awarded Ph.D in Computer Science and Engineering from JNTU Kakinada in December 2016 .
- Qualified for Lectureship NET in Computer Science& Applications in 2012.
- Awarded M.Tech degree with first class in Computer Science and Engineering from JNTUK, Kakinada in 2009.
- Qualified for JRF and Lectureship NET in Mathematical Sciences in 2008.
- Awarded M.Phil. degree with first class in Mathematics from M.K.U in 2004.
- Awarded M.Sc. degree with first class in Mathematics from Andhra University in 2001.
- Associate Member of IEI (AMIE –AM 162674-7)

Membership of Professional Societies:

- Sri .V.S.Naresh elected as an Associate Member with number: AM-162674-7 in THE INSTITUTION OF ENGINEERS (INDIA).
- Sri.V.S.Naresh is having membership in International Association of engineers (IAENG) with member ship number: 113740.
- Sri.V.S.Naresh worked as a reviewer for prominent journal “International Journal of Network Security.

Experience:

Total Teaching Experience of 15⁺ years

- Worked as Lecturer, Assistant Professor, Associate Professor, Head of the Department respectively from 2001 to 2009 in **S.V.K.P. & Dr. K.S. Raju Arts & Science College, PENUGONDA.**
- Worked as Director for M.C.A Programme (AICTE Approved and comes under Faculty of Engineering) from January 2010 to June 2016 date in **S.V.K.P. & Dr. K.S. Raju Arts & Science College, PENUGONDA.**

- Currently working as ! **Associate** Professor in Department of Computer science and Engineering of Sri Vasavi Engineering College, Tadepalligudem.

Courses taught:

- **Design and Analysis of algorithms.**
- **Data Mining**
- **Network security**
- **Mathematical Foundations of Computer Science**
- **Data Structures**
- **Theory of Computation**
- **Database Management Systems**
- **Operating Systems.**

Awards/Honors :

- Currently acting as member of Board of Studies of Computer Science & Engineering department of PRAGATI ENGINEERING COLLEGE (NAAC- A Grade and Permanently affiliated to JNTUK, Kakinada) Near Kakinada, East Godavari (dt), A.P.
- **Elliptic curve cryptography-Diffie Hellman Technique extended for multiple two party keys at a time”** was selected as the best researcher for the presentation in Inter University Faculty Forum and presented on 23.11.2013 through video conference facility located at ‘C’ block in A.P Secretariat, Hyderabad Organized by **Government of Andhra Pradesh** (APSCHE and CCE).
- Completed UGC-Minor Research Project entitled: **“A provably secure dynamic authenticated contributory group key agreement Protocol using elliptic curve Diffie-Hellman”** with a financial assistance of RS 3,70,000.
- Published Research Papers in Science Citation Indexed & Scopus Indexed Free Journals (Springer, John Wiley, Elsevier (**Web Science**) etc.).
- Qualified for CSIR JRF as one among top 16 in India in Mathematical Sciences in 2008.
- Qualified NET in two subjects (Computer Science and Applications &Mathematical Sciences) conducted by UGC and CSIR respectively.
- Worked as a reviewer for prominent journal **“International journal of Network Security”** and participated in the review process of Research papers
 - “Analysis on Hu et al.'s Identity-based Broadcast Encryption”
 - “S-boxes generated using Affine Transformation giving Maximum Avalanche effect”
- Acted as a *Resource Person* for Research Program Seminars on “Provably Secure Group Key Agreement Protocols based on ECDH” in the area of Secure Group Communication

on October 10, 2015 at ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES (A) ,Visakhapatnam-531 162 Andhra Pradesh, India.

- Acted as a Resource Person for “one day faculty development program on Information Security – Elliptic Curve and Diffie-Hellman approach” on 19th December 2015 at Prasad V. Potluri Siddhartha Institute of Technology, Kanuru Vijayawada - Andhra Pradesh, India.

Research Activities:

Areas of research interests : Cryptography and Data Security.

Total Number of Publications:

S. No	Status of Journal	Number of Journals
1	International Journals	6
2	National Journals	--
3	International Conferences	2
4	National Conferences	1

Details of Published Work During UGC-MRP & Ph.D:

First Paper: Published

Paper entitled: "Elliptic curve based dynamic contributory group key agreement protocol for secure group communication over ad hoc networks" is published **International Journal of Network Security**.

Date of submission: Feb. 6th 2013

Date of acceptance: Feb. 6th 2014

Date of publication: Sep. 1st 2015

Journal Details:

Name of the journal: International Journal of Network security.

Scopus Elsevier (Web Science), SCI Mago indexing and Free Journal.

Source Normalized Impact per Paper (SNIP): 1.987 (2013).

SCI mago Journal Rank (SJR): 0.543 (2013).

Impact Factor for year 2013: 1.3921.

H-index: 20.

Second Paper: Published

Paper entitled: "A new two-round dynamic contributory group key agreement protocol using elliptic curve Diffie-Hellman technique with privacy preserving public key infra structure" is published in SADHANA (Springer Verlag with ISI impact factor 0.46)(The URL is <http://sadh.edmgr.com/>).

Date of submission: 5th June 2013

Date of acceptance: 1st July 2015

Journal Details:

Name of the journal: SPRINGER VERLAG-SADHANA

Science Citation Index and Scopus Elsevier (Web Science) indexing Free Journal.

Source Normalized Impact per Paper (SNIP): 0.99 (2013).

SCImago Journal Rank (SJR): 0.26 (2013)

Impact Factor for year 2013: 0.587 (2013)

H Index: 25

Third Paper: published

Paper entitled: "Provably Secure Group Key Agreement Protocol based on ECDH with integrate signature"

Journal title: Wiley Secure Communication Networks

Thomson Reuters Impact Factor:0.72

Science Citation Index and Scopus Elsevier (Web Science) indexing Free Journal.

Date of submission: 7th May, 2015.

Date of acceptance: 12thNov, 2015.

List of Publications in International Journals:

S. No	Authors	Title of the Research paper	Name of the Journal	Volume No.	Issue No.	Page Nos.	Year of publication	Impact factor
1	Vankamamidi S Naresh and NistalaVes Murthy	Elliptic-Curve Diffie-Hellman technique extended for multiple two party keys at a time.	IJCSI	8	3	167-172	May,2011	0.242
2	Vankamamidi S Naresh and NistalaVes Murthy	Diffie-Hellman Technique Extended to Efficient and Simpler Group Key Distribution Protocol	IJCA	4	11	1-5	May,2010	0.814
3	Vankamamidi S Naresh and NistalaVes Murthy	Extended -Diffie-Hellman Technique to Generate Multiple Shared Keys at a Time with Reduced KEOs and its Polynomial Time Complexity	IJCSI	7	3	26-30	May,2010	0.242
4	Vankamamidi S Naresh and NistalaVes Murthy	Elliptic curve based dynamic contributory group key agreement protocol for secure group communication over ad-hoc networks	IJNS	1	-	217-225	Feb,2014	1.39
5	Vankamamidi S Naresh and NistalaVes Murthy	A new two-round dynamic contributory group key agreement protocol using elliptic curve Diffie-Hellman technique"	SADHANA Springer Verlag	Published in SCI- SADHANA (Springer Verlag with ISI impact factor 0.47. Elsevier (Web Science) indexing Free Journal.				
6	Vankamamidi S Naresh	"Provably Secure Group Key Agreement	John-Wiley	Secure Communication Networks Thomson Reuters Impact Factor:0.72				

	and NistalaVes Murthy	Protocol based on ECDH with integrate signature”		Science Citation Index and Scopus Elsevier (Web Science) indexing Free Journal.
--	-----------------------------	---	--	--

International Conferences:

S.No	Authors	Title of the Research paper	Name of the Proceedings	Page Nos.	Dates of the conference	Organized by
1	Vankamamidi S Naresh	D-H Technique Extended for multiple shared keys at a time	CCSB	40-46	February 16-17,2009	SanketikaVidyaParishad
2	Vankamamidi S Naresh	D-H Technique Extended to simpler group key distribution	ICNB	27-34	January 20-21,2010	IACQUER

Seminars /Workshops/FDPs attended:

- Acted as a **Resource Person** for Research Program Seminars on “Provably Secure Group Key Agreement Protocols based on ECDH” in the area of Secure Group Communication on October 10, 2015 at ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES (A), Visakhapatnam-531 162 Andhra Pradesh, India.
- Acted as a **Resource Person** for “one day faculty development program on Information Security – Elliptic Curve and Diffie-Hellman approach” on 19th December 2015 at Prasad V. Potluri Siddhartha Institute of Technology, Kanuru Vijayawada - Andhra Pradesh, India.
- Attended a Faculty Development Programme on "Data Science And Big Data Analytics", Organized by Electronics & ICT Academy, National Institute of Technology, Warangal & Sri Vasavi Engineering College during (20-01-2017 To 25-01-2017).

Personal Details:

Name : Dr. SRINIVASA NARESH VANKAMAMIDI.
Name of the Father : BALA SURYA NARAYANA.

Permanent Address

D.No.2-96/1
VenkataramaPuram, PenugondaMandal,
Penugonda, West Godavari, A.P state
Pin: 534320

Nationality : Indian
Religion : Hindu
Date of Birth : 15-08-1979

(Dr. SRINIVASA NARESH VANKAMAMIDI)